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12973 U.S. PTO

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53 STATE STREET

BOSTON, MASSACHUSETTS 02109-2891

TELEPHONE (617) 248-5000

FACSIMILE (617) 248-4000

JC921 U.S. PTO
02/28/00
12/01/00

BOX PATENT APPLICATION
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

Express Mail No.: EK896716746US

Attorney Docket No.: 2002850-0009

Date Filed: December 1, 2000

UTILITY PATENT APPLICATION TRANSMITTAL

(FOR NEW NONPROVISIONAL APPLICATIONS UNDER 37 C.F.R. § 1.53(B))

Dear Sir:

Please find enclosed a patent application and papers as follows for:

Inventor(s):

Given Name (first and middle)	Family Name or Surname	Residence (City and State or Foreign Country)
Steven K. H.	Foung	Stanford, California
Kenneth G.	Hadlock	San Francisco, California
Zhen-yong	Keck	Redwood City, California

Title of the Invention: PREVENTION AND TREATMENT OF HCV INFECTION
EMPLOYING ANTIBODIES DIRECTED AGAINST CONFORMATIONAL EPITOPES

A) APPLICATION ELEMENTS:

1) X **Fee Transmittal Form** (original and duplicate submitted for fee processing)

2) X **Applicant Claims Small Entity Status** (see 37 CFR 1.27)

a) X **Statement Verifying Small Entity Status** (optional)

EXPRESS MAIL NO.: EK896716746US

DATE FILED: DECEMBER 1, 2000

PAGE 1 OF 4

3198625_1.DOC

3) X **Specification**

TOTAL PAGES: 101

- Descriptive Title of the Invention
- Cross References to Related Applications (if applicable)
- Statement Regarding Federally Sponsored R & D (if applicable)
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Summary of the Invention
- Description of the Drawing (if filed)
- Detailed Description of the Invention
- Claim(s)
- Abstract of the Invention

4) X **Drawing(s)** (35 U.S.C. § 113)

TOTAL SHEETS: 29

- a) Formal Drawings (if checked)

5) X **Oath or Declaration**

TOTAL PAGES: 3

- a) Newly Executed (original or copy)
- b) Copy from a prior application (37 C.F.R. § 1.63(d))-for continuation/divisional application
- i) DELETION OF INVENTOR(S): Signed Statement deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
- c) X Unexecuted

6) **Application Data Sheet**. See 37 CFR 1.76.

7) **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**

8) X **Nucleotide and/or Amino Acid Sequence Submission** (if applicable, all are necessary)

- a) X Computer Readable Form (CRF)
- b) X Specification Sequence Listing on:
- i) CD-ROM or CR-R (2 copies); or
- ii) X Paper
- c) X Statements verifying identity of above copies

B) ACCOMPANYING APPLICATION PARTS:

- 9) X **Assignment Papers** (cover sheet & document(s))
- 10) X **37 C.F.R. § 3.73(b) Statement** (when there is an assignee)
- 11) X **Power of Attorney**
- 12) **English Translation Document** (if applicable)
- 13) **Information Disclosure Statement (IDS)/PTO-1449**
- 14) **Copies of IDS Citations**
- 15) **Preliminary Amendment**
- 16) X **Return Receipt Postcard (MPEP 503)** (specifically itemized)
- 17) **Certified Copy of Priority Document(s)** (if foreign priority is claimed)
- 18) **OTHER:** (if applicable, specified below)

C) FOR CONTINUING APPLICATIONS: (the appropriate box is checked, and certain information is provided below and in a preliminary amendment)

 CONTINUATION DIVISIONAL X CONTINUATION-IN-PART (CIP)

OF PRIOR APPLICATION NO: 09/430,489

FILED: OCTOBER 29, 1999

EXAMINER: NOT YET ASSIGNED

GROUP/ART UNIT: 1643

FOR CONTINUATION OR DIVISIONAL APPLICATIONS ONLY: The entire disclosure of the prior application, from which an oath or declaration is supplied as detailed above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

D) METHOD OF PAYMENT OF FILING FEES FOR THIS APPLICATION:

- ☒ Applicant claims small entity status 37 CFR 1.27
- ☒ A check is enclosed to cover the filing fees as determined on the fee transmittal enclosed herewith
- ☒ The commissioner is hereby authorized to charge filing fees or credit any overpayment to deposit account number 03-1721.

Total filing fee amount \$2,555.00


E) CORRESPONDENCE ADDRESS:

____ Customer Bar Code Label: _____

☒ Correspondence Address:

C. Hunter Baker, M.D., Ph.D.
Choate, Hall & Stewart
53 State Street
Exchange Place
Boston, MA 02109
phone: (617) 248-5000
fax: (617) 248-4000

Respectfully Submitted,



C. Hunter Baker, M.D., Ph.D.
Reg. No.: 46,533

CHOATE, HALL & STEWART
53 State Street
Exchange Place
Boston, MA 02109
Phone: (617) 248-5000
Fax: (617) 248-4000

12/01/00

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

for FY 2001

Patent fees are subject to annual revision.

Complete if Known

Application Number	
Filing Date	December 1, 2000
First Named Inventor	Foung, Steven K.H.
Examiner Name	
Group Art Unit	
Attorney Docket No.	2002850-0009

TOTAL AMOUNT OF PAYMENT	(\$)<u>2,555.00</u>
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METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	30-1721
Deposit Account Name	

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☒ Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒
- Check
- ☐
- Credit card
- ☐
- Money Order
- ☐
- Other

FEE CALCULATION

1. BASIC FILING FEE

	Large Entity	Small Entity
1. Revenue	More than \$5 million	Less than \$5 million
2. Assets	More than \$10 million	Less than \$10 million
3. Employees	More than 100	Less than 100
4. Debt	More than \$1 million	Less than \$1 million
5. Equity	More than \$1 million	Less than \$1 million
6. Complexity	More than 100	Less than 100
7. Geography	More than 100	Less than 100
8. Industry	More than 100	Less than 100
9. Regulation	More than 100	Less than 100
10. Compliance	More than 100	Less than 100
11. Reporting	More than 100	Less than 100
12. Control	More than 100	Less than 100
13. Structure	More than 100	Less than 100
14. Ownership	More than 100	Less than 100
15. Management	More than 100	Less than 100
16. Board	More than 100	Less than 100
17. Committee	More than 100	Less than 100
18. Policy	More than 100	Less than 100
19. Procedure	More than 100	Less than 100
20. System	More than 100	Less than 100
21. Process	More than 100	Less than 100
22. Method	More than 100	Less than 100
23. Technique	More than 100	Less than 100
24. Approach	More than 100	Less than 100
25. Strategy	More than 100	Less than 100
26. Plan	More than 100	Less than 100
27. Program	More than 100	Less than 100
28. Project	More than 100	Less than 100
29. Task	More than 100	Less than 100
30. Activity	More than 100	Less than 100
31. Operation	More than 100	Less than 100
32. Function	More than 100	Less than 100
33. Role	More than 100	Less than 100
34. Responsibility	More than 100	Less than 100
35. Authority	More than 100	Less than 100
36. Power	More than 100	Less than 100
37. Influence	More than 100	Less than 100
38. Control	More than 100	Less than 100
39. Management	More than 100	Less than 100
40. Board	More than 100	Less than 100
41. Committee	More than 100	Less than 100
42. Policy	More than 100	Less than 100
43. Procedure	More than 100	Less than 100
44. System	More than 100	Less than 100
45. Process	More than 100	Less than 100
46. Method	More than 100	Less than 100
47. Technique	More than 100	Less than 100
48. Approach	More than 100	Less than 100
49. Strategy	More than 100	Less than 100
50. Plan	More than 100	Less than 100
51. Program	More than 100	Less than 100
52. Project	More than 100	Less than 100
53. Task	More than 100	Less than 100
54. Activity	More than 100	Less than 100
55. Operation	More than 100	Less than 100
56. Function	More than 100	Less than 100
57. Role	More than 100	Less than 100
58. Responsibility	More than 100	Less than 100
59. Authority	More than 100	Less than 100
60. Power	More than 100	Less than 100
61. Influence	More than 100	Less than 100
62. Control	More than 100	Less than 100
63. Management	More than 100	Less than 100
64. Board	More than 100	Less than 100
65. Committee	More than 100	Less than 100
66. Policy	More than 100	Less than 100
67. Procedure	More than 100	Less than 100
68. System	More than 100	Less than 100
69. Process	More than 100	Less than 100
70. Method	More than 100	Less than 100
71. Technique	More than 100	Less than 100
72. Approach	More than 100	Less than 100
73. Strategy	More than 100	Less than 100
74. Plan	More than 100	Less than 100
75. Program	More than 100	Less than 100
76. Project	More than 100	Less than 100
77. Task	More than 100	Less than 100
78. Activity	More than 100	Less than 100
79. Operation	More than 100	Less than 100
80. Function	More than 100	Less than 100
81. Role	More than 100	Less than 100
82. Responsibility	More than 100	Less than 100
83. Authority	More than 100	Less than 100
84. Power	More than 100	Less than 100
85. Influence	More than 100	Less than 100
86. Control	More than 100	Less than 100
87. Management	More than 100	Less than 100
88. Board	More than 100	Less than 100

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	\$ 355
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)**355.00**

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	165	20** = 145	\$1,305
Independent Claims	22	- 3** = 19	760
Multiple Dependent			135

Multiple Dependent

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)	(\$) 2,555.00
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****or number previously paid, if greater: For Reissues, see above**

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)	(\$)
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SUBMITTED BY

Name (Print/Type)	C. Hunter Baker, M.D., Ph.D.
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Registration No. (Attorney/Agent)	46,533
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Signature

Complete (if applicable)

Telephone	617-248-5000
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<i>Date</i>	12/1/00
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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.